ANALYTICAL REPORT

Lab Number:	L1016183
Client:	Haley & Aldrich, Inc. 100 Corporate Place Suite 105 Rocky Hill, CT 06067-1803
ATTN:	Deborah Motycka Downie
Phone:	(860) 282-9400
Project Name:	23 BARRY PLACE
Project Number:	35034-006
Report Date:	10/26/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1016183-01	HA-AOC21-B405-S1	Not Specified	10/13/10 11:00
L1016183-02	HA-AOC21-B405-S2	Not Specified	10/13/10 11:05
L1016183-03	HA-AOC21-B405-S3	Not Specified	10/13/10 11:10
L1016183-04	HA-AOC21-B405-S4	Not Specified	10/13/10 11:15
L1016183-05	HA-AOC21-B405-S5	Not Specified	10/13/10 11:20
L1016183-06	HA-AOC21-B405-S6	Not Specified	10/13/10 11:35
L1016183-07	HA-AOC21-B405-S7	Not Specified	10/13/10 11:40
L1016183-08	HA-AOC21-B405-S8	Not Specified	10/13/10 11:43
L1016183-09	HA-AOC21-B405-S9	Not Specified	10/13/10 11:45

Project Name: 23 BARRY PLACE
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CT DEP Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	YES
1a	Were the method specified preservation and holding time requirements met?	YES
1b	VPH & EPH Methods Only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (4°C ± 2°)?	YES
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody?	YES
5b	Were these reporting limits met?	YES
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	YES
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or question B is "No", the data package does not meet the requirements for "Reasonable Confidence".

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Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

RCP Related Narratives

PCB

L1016183-01 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

L1016183-02 has elevated detection limits due to the dilution required by the sample matrix.

L1016183-05 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

In reference to question 4:

The WG437592-4/-5 MS/MSD recoveries, performed on L1016183-05, are outside the acceptance criteria for Aroclor 1260 (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 10/26/10

ORGANICS

PCBS

Project Name: 23 BARRY PLACE
Project Number: 35034-006
Lab Number: L1016183
Report Date: 10/26/10

SAMPLE RESULTS

Lab ID:	L1016183-01	Date Collected:	10/13/10 11:00
Client ID:	HA-AOC21-B405-S1	Date Received:	10/14/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	77,8082	Extraction Date:	10/15/10 09:20
Analytical Date:	10/19/10 16:32	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	10/17/10
Percent Solids:	96%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/17/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	84.1	--	4
Aroclor 1221	ND		ug/kg	84.1	--	4
Aroclor 1232	ND		ug/kg	84.1	--	4
Aroclor 1242	ND		ug/kg	84.1	--	4
Aroclor 1248	ND		ug/kg	56.1	--	4
Aroclor 1254	ND		ug/kg	84.1	--	4
Aroclor 1260	670		ug/kg	56.1	--	4
Aroclor 1262	ND		ug/kg	28.0	--	4
Aroclor 1268	ND		ug/kg	28.0	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	45		30-150
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	53		30-150

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Project Number: 35034-006
Lab Number: L1016183
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SAMPLE RESULTS

Lab ID:	L1016183-02 D	Date Collected:	10/13/10 11:05
Client ID:	HA-AOC21-B405-S2	Date Received:	10/14/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	77,8082	Extraction Date:	10/15/10 11:00
Analytical Date:	10/19/10 19:54	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	10/18/10
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/18/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	44.2	--	2
Aroclor 1221	ND		ug/kg	44.2	--	2
Aroclor 1232	ND		ug/kg	44.2	--	2
Aroclor 1242	ND		ug/kg	44.2	--	2
Aroclor 1248	ND		ug/kg	29.4	--	2
Aroclor 1254	ND		ug/kg	44.2	--	2
Aroclor 1260	115		ug/kg	29.4	--	2
Aroclor 1262	ND		ug/kg	14.7	--	2
Aroclor 1268	ND		ug/kg	14.7	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	33		30-150
Decachlorobiphenyl	38		30-150
2,4,5,6-Tetrachloro-m-xylene	33		30-150
Decachlorobiphenyl	37		30-150

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Lab Number: L1016183
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SAMPLE RESULTS

Lab ID:	L1016183-03	Date Collected:	10/13/10 11:10
Client ID:	HA-AOC21-B405-S3	Date Received:	10/14/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	77,8082	Extraction Date:	10/15/10 11:00
Analytical Date:	10/22/10 16:22	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	10/18/10
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/18/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	24.9	--	1
Aroclor 1221	ND		ug/kg	24.9	--	1
Aroclor 1232	ND		ug/kg	24.9	--	1
Aroclor 1242	ND		ug/kg	24.9	--	1
Aroclor 1248	ND		ug/kg	16.6	--	1
Aroclor 1254	ND		ug/kg	24.9	--	1
Aroclor 1260	151		ug/kg	16.6	--	1
Aroclor 1262	ND		ug/kg	8.31	--	1
Aroclor 1268	ND		ug/kg	8.31	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	62		30-150
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	66		30-150

Project Name: 23 BARRY PLACE
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SAMPLE RESULTS

Lab ID:	L1016183-04	Date Collected:	10/13/10 11:15
Client ID:	HA-AOC21-B405-S4	Date Received:	10/14/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	77,8082	Extraction Date:	10/15/10 11:00
Analytical Date:	10/19/10 21:06	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	10/18/10
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/18/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	22.0	--	1
Aroclor 1221	ND		ug/kg	22.0	--	1
Aroclor 1232	ND		ug/kg	22.0	--	1
Aroclor 1242	ND		ug/kg	22.0	--	1
Aroclor 1248	ND		ug/kg	14.7	--	1
Aroclor 1254	ND		ug/kg	22.0	--	1
Aroclor 1260	39.2		ug/kg	14.7	--	1
Aroclor 1262	ND		ug/kg	7.35	--	1
Aroclor 1268	ND		ug/kg	7.35	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	55		30-150
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	56		30-150

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Project Number: 35034-006
Lab Number: L1016183
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SAMPLE RESULTS

Lab ID:	L1016183-05 D	Date Collected:	10/13/10 11:20
Client ID:	HA-AOC21-B405-S5	Date Received:	10/14/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	77,8082	Extraction Date:	10/15/10 11:00
Analytical Date:	10/22/10 17:20	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	10/18/10
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/18/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	124	--	5
Aroclor 1221	ND		ug/kg	124	--	5
Aroclor 1232	ND		ug/kg	124	--	5
Aroclor 1242	ND		ug/kg	124	--	5
Aroclor 1248	ND		ug/kg	82.6	--	5
Aroclor 1262	ND		ug/kg	41.3	--	5
Aroclor 1268	ND		ug/kg	41.3	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	47		30-150
Decachlorobiphenyl	55		30-150
2,4,5,6-Tetrachloro-m-xylene	45		30-150
Decachlorobiphenyl	56		30-150

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SAMPLE RESULTS

Lab ID:	L1016183-05 D	Date Collected:	10/13/10 11:20
Client ID:	HA-AOC21-B405-S5	Date Received:	10/14/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	77,8082	Extraction Date:	10/15/10 11:00
Analytical Date:	10/22/10 17:20	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	10/18/10
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/18/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
CT RCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1254	469		ug/kg	124	--	5
Aroclor 1260	897		ug/kg	82.6	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	47		30-150
Decachlorobiphenyl	55		30-150
2,4,5,6-Tetrachloro-m-xylene	45		30-150
Decachlorobiphenyl	56		30-150

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Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8082
Analytical Date: 10/19/10 22:33
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 10/15/10 11:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/18/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/18/10

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02-05 Batch: WG437592-1					
Aroclor 1016	ND		ug/kg	20.0	--
Aroclor 1221	ND		ug/kg	20.0	--
Aroclor 1232	ND		ug/kg	20.0	--
Aroclor 1242	ND		ug/kg	20.0	--
Aroclor 1248	ND		ug/kg	13.3	--
Aroclor 1254	ND		ug/kg	20.0	--
Aroclor 1260	ND		ug/kg	13.3	--
Aroclor 1262	ND		ug/kg	6.67	--
Aroclor 1268	ND		ug/kg	6.67	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	67		30-150
2,4,5,6-Tetrachloro-m-xylene	107		30-150
Decachlorobiphenyl	90		30-150

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 77,8082
Analytical Date: 10/19/10 18:27
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 10/15/10 09:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/17/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/17/10

Parameter	Result	Qualifier	Units	RL	MDL
CT RCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG437597-1					
Aroclor 1016	ND		ug/kg	20.0	--
Aroclor 1221	ND		ug/kg	20.0	--
Aroclor 1232	ND		ug/kg	20.0	--
Aroclor 1242	ND		ug/kg	20.0	--
Aroclor 1248	ND		ug/kg	13.3	--
Aroclor 1254	ND		ug/kg	20.0	--
Aroclor 1260	ND		ug/kg	13.3	--
Aroclor 1262	ND		ug/kg	6.67	--
Aroclor 1268	ND		ug/kg	6.67	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	61		30-150
2,4,5,6-Tetrachloro-m-xylene	88		30-150
Decachlorobiphenyl	82		30-150

Matrix Spike Analysis
Batch Quality Control

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
CT RCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG437592-4 WG437592-5 QC Sample: L1016183-05 Client ID: HA-AOC21-B405-S5												
Aroclor 1016	ND	261	198	76		233	88		40-140	16		50
Aroclor 1260	897	261	761	**0**	Q	798	**0**	Q	40-140	5		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	49		68		30-150
Decachlorobiphenyl	44		59		30-150
2,4,5,6-Tetrachloro-m-xylene	44		62		30-150
Decachlorobiphenyl	33		53		30-150

Matrix Spike Analysis
Batch Quality Control

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
CT RCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 QC Batch ID: WG437597-4 WG437597-5 QC Sample: L1016181-03 Client ID: MS Sample												
Aroclor 1016	ND	245	268	110		275	114		40-140	3		50
Aroclor 1260	268	245	456	77		505	99		40-140	10		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	71		82		30-150
Decachlorobiphenyl	71		78		30-150
2,4,5,6-Tetrachloro-m-xylene	67		71		30-150
Decachlorobiphenyl	75		76		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 23 BARRY PLACE

Project Number: 35034-006

Lab Number: L1016183

Report Date: 10/26/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02-05 Batch: WG437592-2 WG437592-3								
Aroclor 1016	116		93		40-140	22		50
Aroclor 1260	123		111		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150
Decachlorobiphenyl	85		85		30-150
2,4,5,6-Tetrachloro-m-xylene	121		77		30-150
Decachlorobiphenyl	112		68		30-150

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
CT RCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG437597-2 WG437597-3								
Aroclor 1016	83		97		40-140	16		50
Aroclor 1260	90		113		40-140	23		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		84		30-150
Decachlorobiphenyl	61		76		30-150
2,4,5,6-Tetrachloro-m-xylene	82		78		30-150
Decachlorobiphenyl	75		70		30-150

INORGANICS
&
MISCELLANEOUS

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

SAMPLE RESULTS

Lab ID: L1016183-01
Client ID: HA-AOC21-B405-S1
Sample Location: Not Specified
Matrix: Soil

Date Collected: 10/13/10 11:00
Date Received: 10/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96		%	0.10	NA	1	-	10/15/10 16:51	30,2540G	SD

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

SAMPLE RESULTS

Lab ID: L1016183-02
Client ID: HA-AOC21-B405-S2
Sample Location: Not Specified
Matrix: Soil

Date Collected: 10/13/10 11:05
Date Received: 10/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89		%	0.10	NA	1	-	10/15/10 16:51	30,2540G	SD

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

SAMPLE RESULTS

Lab ID: L1016183-03
Client ID: HA-AOC21-B405-S3
Sample Location: Not Specified
Matrix: Soil

Date Collected: 10/13/10 11:10
Date Received: 10/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	10/15/10 16:51	30,2540G	SD

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

SAMPLE RESULTS

Lab ID: L1016183-04
Client ID: HA-AOC21-B405-S4
Sample Location: Not Specified
Matrix: Soil

Date Collected: 10/13/10 11:15
Date Received: 10/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	10/15/10 16:51	30,2540G	SD

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

SAMPLE RESULTS

Lab ID: L1016183-05
Client ID: HA-AOC21-B405-S5
Sample Location: Not Specified
Matrix: Soil

Date Collected: 10/13/10 11:20
Date Received: 10/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	10/15/10 16:51	30,2540G	SD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG437717-1 QC Sample: L1016181-03 Client ID: DUP Sample						
Solids, Total	86	86	%	0		20

Project Name: 23 BARRY PLACE
Project Number: 35034-006

Lab Number: L1016183
Report Date: 10/26/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1016183-01A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-02A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-03A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-03B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-04A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-04B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-05A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-05B	Amber 250ml unpreserved	A	N/A	2	Y	Absent	TS(7),CT-8082LL-3540C(14)
L1016183-06A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	HOLD(14)
L1016183-07A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	HOLD(14)
L1016183-08A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	HOLD(14)
L1016183-09A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	HOLD(14)

*Values in parentheses indicate holding time in days

Project Name:	23 BARRY PLACE	**Lab Number:**	L1016183
Project Number:	35034-006	**Report Date:**	10/26/10

GLOSSARY

Acronyms

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

Report Format: Data Usability Report

Project Name:	23 BARRY PLACE	**Lab Number:**	L1016183
Project Number:	35034-006	**Report Date:**	10/26/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	23 BARRY PLACE	**Lab Number:**	L1016183
Project Number:	35034-006	**Report Date:**	10/26/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

77 Connecticut DEP Quality Assurance and Quality Control Requirements for SW-846 Methods. CTDEP Reasonable Confidence Protocols (RCPs). Version 1.0, July 2005.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)
Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)
*Solid Waste/Soil (*Organic Parameters: ME DRO, ME GRO, MA EPH, MA VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

ALPHA Job # L1016183

HALEY & ALDRICH
Haley & Aldrich, Inc.
800 Connecticut Blvd.,
Suite 100
East Hartford, CT 06108-7303

Phone 860-282-9400
Fax 860-282-9500

CHAIN OF CUSTODY RECORD

H&A FILE NO.	35034-006	LABORATORY	Alpha Analytical	DELIVERY DATE	14 October 2010
PROJECT NAME	23 Barry Place	ADDRESS	Westborough, MA	TURNAROUND TIME	10-DAY
H&A CONTACT	Elida Danaher	CONTACT	Gina Hall	PROJECT MANAGER	D. Motycka Downie

Sample No.	Date	Time	Depth (ft bgs)	Type	1 VOCs	2 SVOCs PAHs only	3 ETPH by CTDEP method	4 Total 8 RCRA Metals	5 SPLP metals	6 PCBs						ETPH	Number of Containers
HA-AOC21-B405-S1	10/13/10	1100	0-0.5	SOIL						X							1
HA-AOC21-B405-S2	10/13/10	1105	0.5-1	SOIL						X							1
HA-AOC21-B405-S3	10/13/10	1110	1-2'	SOIL						X							2
HA-AOC21-B405-S4	10/13/10	1115	2-3'	SOIL						X							2
HA-AOC21-B405-S5	10/13/10	1120	3-4'	SOIL						X							2
HA-AOC21-B405-S6	10/13/10	1135	4-5'	SOIL												X	1
HA-AOC21-B405-S7	10/13/10	1140	5-6'	SOIL												X	1
HA-AOC21-B405-S8	10/13/10	1143	6-7'	SOIL												X	1
HA-AOC21-B405-S9	10/13/10	1145	7-9'	SOIL												X	1

Comments (special instructions, precautions, additional method numbers, etc.)

Please Analyze as indicated:

VOCs by EPA Method 8260

SVOCS (PAHs only) by EPA Method 8270

ETPH by CT DEP Method

Total 8 RCRA Metals

SPLP Metals

PCBs by EPA 8082 - Soxhlet ext.
RUN MS/MSD ONLY:
HA-AOC21-B405-S5
Note: CT RCP compliance required.

Sampled and Relinquished by	Received by
Sign Elida S Danaher	Sign T Hunderson
Print ELIDA S. DANAHER	Print T Hunderson
Firm Haley & Aldrich, Inc.	Firm Alpha
Date 10/14/10 Time 1630	Date 10/14/10 Time 1650
Relinquished by	**Received by**
Sign T Hunderson	Sign
Print T Hunderson	Print William McClendon
Firm Alpha	Firm Alpha
Date 10/14/10 Time 2340	Date 10/14/10 Time 2340
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

LIQUID	VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID	VOA Vial	Amber Glass	Clear Glass	Preservative	Volume
		X		A	8oz

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Sodium Bisulfate

Sampling Comments

- Freeze all PCB samples
- Please HOLD samples pending possible additional analyses. (RBS)

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Form #3204